Amendments to the specification

Beginning on page 6, after the paragraph ending "electromagnetic wave generating from an electronics device", please replace a continuous chain of paragraphs up to, but not including the last paragraph on page 9 of the specification beginning " Therefore, the heat release sheet....

As follows:

One object of the present invention is to provide ~~The invention concerning claim 1 relates~~ a heat release sheet comprised of an expansive graphite sheet and a reticulated body, wherein said reticulated body is comprised of metal wire, and it is overlapped on both sides of said expansive graphite sheet, and said expansive graphite sheet and said reticulated body are combined.

In one embodiment of the present invention, the ~~The invention concerning claim 2 relates the heat release sheet described in claim 1, wherein said~~ reticulated body is bursiform configuration, and said expansive graphite sheet is inserted in the bursiform configuration.

In one embodiment of the present invention, the ~~The invention concerning claims 3 and 4 relates the heat release sheet described in claims 1 or 2, wherein said~~ expansive graphite sheet is comprised of plural sheets, and a reticulated intermediate comprised of the metal wire is intervened between said plural expansive graphite sheets.

In one embodiment of the present invention, the ~~The invention concerning claims 5 and 6 relates the heat release sheet described in~~

~~claims 1 or 2, wherein said~~ expansive graphite sheet is comprised of plural sheets, and a metallic foil having many protrusions on its both sides is intervened between said plural expansive graphite sheets.

In one embodiment of the present invention, the ~~The invention concerning claims 7 to 12 relates the heat release sheet described in either one of claims 1 to 6, wherein said~~ expansive graphite sheet and the reticulated body are laminated and combined by metal rolling processing.

In one embodiment of the present invention, the ~~The invention concerning claims 13 to 18 relates the heat release sheet described in either one of claims 1 to 6, wherein said~~ reticulated body is comprised by knit processing of the metal wire.

In one embodiment of the present invention, the ~~The invention concerning claims 19 to 24 relates the heat release sheet described in either one of claims 1 to 6, wherein said~~ reticulated body is comprised by weave processing of the metal wire.

In one embodiment of the present invention, the plural ~~The invention concerning claims 25 to 30 relates the heat release sheet described in either one of claims 1 to 6, wherein said~~ reticulated bodies are laminated at least one side of said expansive graphite sheet.

In one embodiment of the present invention, the ~~The invention concerning claims 31 to 36 relates the heat release sheet described in either one of claims 1 to 6, wherein said~~ surface of said reticulated

body is covered with resin in at least one side of said expansive graphite sheet.

In one embodiment of the present invention, ~~The invention concerning claims 37 to 42 relates the heat release sheet described in either one of claims 31 to 36, wherein said~~ a protective layer comprised of a synthetic resin film is applied on a surface of said resin layer.

In one embodiment of the present invention, the ~~The invention concerning claims 43 to 48 relates the heat release sheet described in either one of claims 1 to 6, wherein said~~ combined expansive graphite sheet and said reticulated body are washed with reduction water.

The invention further provides a heat sink fabricated by the above-mentioned heat release sheet. ~~The invention concerning claims 49 to 61 relates a heat sink which is obtained by fabricating of the heat release sheet described in either one of claims 1 to 7, 13, 19, 25, 31, 37 and 43.~~

The advantageous aspect of the present invention is that ~~Since the present invention of claim 1 is comprised by combining the reticulated body comprised of the metal wire on the~~ both sides of expansive graphite sheet are held tight by the reticulated body, and interlaminar abruption of the graphite is difficult to occur. Further, since heat conduction to the thickness direction occurs through the reticulated body comprising of the metal wire, the heat conduction to direction to thickness is excellent.

Therefore, the heat release sheet which can efficiently release heat generating in a CPU used in an electronic equipment such as a notebook computer and a portable telephone, a semiconductor parts such as a power transistor and a plasma display panel of a plasma television etc can be obtained. Further, by laminating and combining the reticulated body comprised of the metal wire on a graphite sheet having high shielding effect of electromagnetic wave, the effect can be improved. Therefore, the invention can be used effectively as a sheet for shielding electromagnetic wave generating from an electronics device.

According to one embodiment of the present invention, ~~Since the present invention of claim 2 is comprised that the reticulated body is bursiform configuration, and the expansive graphite sheet is inserted in the bursiform configuration,~~ a separation of the expansive graphite sheet and the reticulated body is prevented, and the expansive graphite sheet and the reticulated body can certainly be combined.

According to one embodiment of the present invention, ~~Since the present invention of claims 3 and 4 is comprised that the expansive graphite sheet is comprised of plural sheets, and a reticulated intermediate comprised of the metal wire is intervened between the plural expansive graphite sheets,~~ high sheet strength can be obtained, and the interlaminar abruption can certainly be prevented.

According to one embodiment of the present invention, ~~Since the present invention of claims 5 and 6 is comprised that the expansive graphite sheet is comprised of plural sheets, and a metallic foil~~

~~having many protrusions on its both sides is intervened between the plural expansive graphite sheets,~~ high sheet strength can be obtained, and the interlaminar abruption can certainly be prevented.

According to one embodiment of the present invention, ~~Since the present invention of claims 7 to 12 is comprised that the expansive graphite sheet and the reticulated body are laminated and combined by metal rolling and processing,~~ the reticulated body can be buried in the expansive graphite sheet, and there surfaces can be in same surface, and thickness of the sheet can be reduced. The interlaminar abruption of graphite is more difficult to occur, and heat conductivity to direction to thickness can be increased more.

According to one embodiment of the present invention, ~~Since the present invention of claims 13 to 18 is comprised by knit processing of the metal wire,~~ flexibility of the reticulated body can be excellent, and also thickness of the reticulated body can be increased. Therefore, the heat release sheet that is thin and excellent in flexibility can be obtained.

According to one embodiment of the present invention, ~~Since the present invention of claims 19 to 24 is comprised that the reticulated body is comprised by weave processing of the metal wire,~~ bond strength of each metal wire in the reticulated body is excellent. Therefore, the heat release sheet that a break of reticulated body is difficult to occur can be obtained.

According to one embodiment of the present invention, ~~Since the present invention of claims 25 to 30 is comprised that the plural~~

~~reticulated bodies are laminated at least one side of the expansive graphite sheet,~~ the interlaminar abruption of graphite is more difficult to occur, and heat conductivity to direction to thickness can be increased more.

According to one embodiment of the present invention, ~~Since the present invention of claims 31 and 36 is comprised that surface of said reticulated body is covered with resin layer in at least one side of said expansive graphite sheet,~~ desorption of graphite powder from the surface of the sheet and desorption of the reticulated body from the expansive graphite sheet can be prevented. Further thickness of the heat release sheet can be easily adjusted.

According to one embodiment of the present invention, ~~Since the present invention of claims 37 to 42 is comprised that the heat release sheet described in claims 1 to 36, wherein a protective layer comprised of a synthetic resin film is applied on a surface of said resin layer, in case of the protective layer is applied between the semiconductor parts and the expansive graphite sheet,~~ when heat of parts passes with winding or diffusing in the synthetic resin film, the heat is transmitted to the expansive graphite sheet, and the heat release effect is improved.

According to one embodiment of the present invention, ~~Since the present invention of claims 43 to 48 is comprised that the heat release sheet described in either one of claims 1 to 42, where said combined expansive graphite sheet and said reticulated body are washed with reduction water,~~ adhesion of the refuse by electrification of static

electricity is also prevented. Therefore, the heat release sheet which is suitable for fixing in an electronic equipment can be obtained.

According to one embodiment of the present invention, ~~Since the present invention of claims 49 to 61 is comprised that a heat sink, wherein obtained by fabricating of the heat release sheet described in either one of the claims 1 to 48,~~ interlaminar abruption of the graphite is difficult to occur. Further, since heat conduction to the direction to thickness occurs through the reticulated body comprised of the metal wire, the heat conduction to the thickness direction is excellent.